YNK-DBR No.....
Date.....

AEE, YSTSD
SBR No: 126/21-22
Date: 02/03/2022

P.W.G. 17 NO — 2ND and Final Bill — Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division: Yelahanka — Sub division: Yelahanka New Town

Bills received No — Date — Sub-divisional / Divisional — Cash book vr No — Date

Sheduled Docket No — Head of account

Name of work(as per sanctioned estimate) :-

NAME OF WORK :Construction of RCC drain at Anugraha layout, Muniswamappa Layout, Sai Nagar-2 And Surrounding Area in ward no:03, Yelahanka Satellite TownSub Division

Work Code:003-20-000069

Name of contractor and full address :- M/s Techinical Manager (West), KRIDL, Bangalore, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam circle Bangalore-560010

Reference to agreement No :- EE/YNK.D/AG/172/2019-2020 — **Estimated cost : 175.00** — Work order No :BBMP/EE/YNK.D/W.O/186/2019-2020, dt:08/11/2019

Certified that the measurments were taken by me on 29/01/2022 and recorded on pages 493252 to 493261 of measurment book No 4933 and the work is satisfactorily executed by the contractor.

Assistant Executive Engineer
Yelahanka/Yeshwanthpur
KRIDL, BBMP, Bangalore

Signature of contractor

Asst. Engineer

Certified that the measurments were taken by me on and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Total- 1,71,42,432=00
priviious 1,05,16,092=00

Sub divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	present -	66,26,340=00
2) Deduct amount to be held in reserve being----percent Rs----------%-------	FSD	331317=00
3) Balance---	CGST	5916H=00
4) Deduct payments	SGST	5916H=00
a) Amount of previous payment as in divisional/sub divisional Cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of	IT	132527=00
	LC	6626H=00
b) Cost of payments/stores or other materials supplied now made recovery of	CBE	6627=00
Amount paid on this bill by cheque/cash	LR	75002=00
Total	TD	730065=00
5). Balance being unpaid value of work done held in reserve	CH	5896,275=00
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Assistant Executive Engineer
Yelahanka/Yeshwanthpur
KRIDL, BBMP, Bangalore

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Yelahanka/Yeshwanthpur
KRIDL, BBMP, Bangalore

Dated signature of contractor

paid by me cheque No dated

Cash Rs.

Date Initials of officer making payment

Reciept Stamp

Audited & Admitted for Rs. 66,26,340=00
Sixty Six lakh twenty six thund Three hundred & fourty only
58,96,275=00 by Cheque
and Rs. 7,30,065=00 by adjuesement

Date

Executive Engineer
Exe. Engineer
Yelahanka Division
BBMP

Accts Superintendent
Yelahanka Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of RCC Drains and Culverts at Anugraha layout, Muniswamappa layout and Sai Nagar-2 An
Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

ABSTRACT

Sl No	Description of Work	Unit	Modified Schedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications.	Cum	1648.63	211.79	349163.35	1314.65	278430.00	333.06	211.79	70539.00	1647.71	348969.00
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications.	Cum	261.40	4479.56	1170956.98	210.61	943441.00	50.68	4479.56	227002.00	261.29	1170442.00
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	T	29.34	72326.98	2122073.59	22.83	1651225.00	6.51	72326.98	471208.00	29.34	2122433.00

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4	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200.	Cum	487.07	7070.20	3443682.31	384.25	2716725.00	102.82	7070.20	726944.00	487.07	3443669.00
5	Supplying and Fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and down size graded granite metal using reinforced 10mm dia steel at 150mm C/C both ways cost of transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm	1223.37	2337.00	2859015.69	1044.27	2440459.00	179.10	2337.00	418557.00	1223.37	2859016.00
6	providing and laying precast drain slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finishing surface on both sides etc., completed as per drawing and direction of engineer in charge of work.	Sqm	74.52	5418.00	403749.36	0.00	0.00	73.92	5418.00	400499.00	73.92	400499.00
7	providing and fixing Pre cast solid concrete kerb stones of size 450x200x400 mm made of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., completed.	Nos	2569.54	477.00	1225670.58	2107.00	1005039.00	462.16	477.00	220451.00	2569.16	1225490.00
8	KSRRB 800-1. Painting two coats after filling the surface with synthentic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour completed as per specifications.	Sqm	427.40	84.80	36243.52	356.60	30240.00	70.67	84.80	5993.00	427.27	36233.00

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9	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification. MORTH Specification No.301 and 4Kms Lead for disposal.	Cum	628.44	57.03	35839.93	0.00	0.00	627.94	57.03	35812.00	627.94	35812.00
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3	Sqm	2094.80	6.36	13322.93	0.00	0.00	2093.12	6.36	13313.00	2093.12	13313.00
11	construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. clause 401 of MORTH V revision.	Cum	314.22	1855.00	582878.10	0.00	0.00	313.97	1855.00	582411.00	313.97	582411.00
12	KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet Mix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.	Cum	481.80	2001.28	964216.70	0.00	0.00	481.42	2001.28	963452.00	481.42	963452.00

13	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granlar base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 KG/Sqm using mechanical means complete as per specifications and as per directions of the engineer in charge of the work.	Sqm	2094.80	33.92	71055.62	0.00	0.00	2093.12	33.92	70999.00	2093.12	70999.00
14	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, lavel and allignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10 Complete in all respects compete as per specifications MORTH specification No. 507. using 100/120 TPH capacity HMP with sensor paver Gr-ll (50mm to 75mm) with 4.5 % VG-30 Bitumen.	Cum	104.74	5962.50	624512.25	0.00	0.00	104.66	5962.50	624012.00	104.66	624012.00
15	KSRRB M500-10. Providing and applying tack coat using 80/100 grade sqm bitumin(VGIO) in boiler fitted with the spray set distributor at the rate of 0.25KG/Sqm on the existing prepared bituminous (prime surface) clean with the mechanical broom, complete as per specifications. CLAUSE 503 of MORTH V revision.	Sqm	2094.80	12.72	26645.86	0.00	0.00	2093.12	12.72	26625.00	2093.12	26625.00

16	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminious binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and o.43% of plastomeric thermoplastic(waste plastic) crushed aggregates of specified grading pre mixxed with bituminous binder and filler, transporting the hot mix to the work site, laying with a paver finisher to the require grade, level and allignment and rolling with the smooth wheeled, vibratory and tandom rollers to achieve the desired compaction in all respect complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Cum	83.79	8699.42	728924.40	0.00	0.00	83.72	8699.42	728358.00	83.72	728358.00
17	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous/ concrete surface. providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectrising glass beads at 250gms/ Sqm area, thickness of 2.5mm is exclusive of surfsce applied glass beads as per IRC: 35 standards specified the finished surface to be levell uniform and free from streaks and holes complete as per speciationd MORTH specification No.803	Sqm	77.00	454.74	35014.98	0.00	0.00	76.85	454.74	34947.00	76.85	34947.00

18	*KSRRB MS00-35. Supply and installation of molded shank raised pavment markers made up of poly carbonate and ABS (acrylonitrile Butadiene styrene) molded body and reflective pannels with microprismatic lens capable of providing total internal reflection of the light entering the lense face and shall support load of 16000 KG tested in accordance to specifications of catagory A of MORTH circular No. RW/NH/33023/10-97 - DO III Dt 11.06.1997. the height width and length shall not exceed 50mm, 100mm and 102mm and with minimum reflective area of 13Sqcm on each side and the slope to the base shall be 35o the strength of detachment*	Nos	204.00	357.22	72872.88	0.00	0.00	204.00	357.22	72873.00	204.00	72873.00
19	Direction and place identification signs with size more than 0.9 size board : providing and eracting direction and place identification retro - reflectosied sign as per IRC: 67 made of high intensity grade sheeting wide Clause 801.3, fixed over alluminium sheeting, 2mm thick with area not exeeiding 0.9Sqm supported on a mild steel single angle iron post 75*75*6mm, 2 Nos firmly fixed to the ground by means of properly designed foundation with a M15 cement concrete 45*45*60Cm, 60Cm below groung level as per approved drawing	Sqm	2.43	7557.80	18365.45	0.00	0.00	2.43	7557.80	18366.00	2.43	18366.00

	Total				14784204.49		9065597.00			5712361.00	14777919.00
	12% GST				1774105.00		1087872.00			685484.00	1773351.00
	4% KRIDL				591369.00		362624.00			228495.00	591117.00
	Grand Total				17149679.00		10516093.00			6626340.00	17142387.00

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Assistant Engineer

Karnataka Material Test House Pvt Ltd. Bangalore

EMD

Asso. Executive Engineer,
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